

JUSTIN H. BARTLEY, MD, FAAOS

Education

Aug 2007 – May 2011	Texas A&M Health Science Center, College of Medicine Medical Doctorate: May 21, 2011	College Station, TX
June 2000 – June 2004	United States Air Force Academy (USAFA) Bachelor of Science - Major: Mechanical Engineering; Minor: Mathematics: June 2, 2004 Graduated Top 15% Passed NCEES Fundamentals of Engineering Exam	Colorado Springs, CO
Aug 1996- May 2000	Grand Saline High School Valedictorian	Grand Saline, TX

Additional Training

February 2018	Steadman Hawkins Clinic Hip Arthroscopy & Hip Preservation Surgery	Denver, CO
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Fellowship

Aug 2016 – July 2017	University of Colorado Sports Medicine & Shoulder Surgery	Boulder, CO
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Residency

July 2011 – July 2016	Scott & White Memorial Hospital Orthopedic Surgery Resident: July 2016	Temple, TX
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Board Certification

American Board of Orthopaedic Surgery
Expires Dec 31, 2029
Passed ABOS Part 1 Examination: July 7, 2016
Passed ABOS Part 2 Examination: July 24, 2019
Participating in ABOS WLA MOC – Quality Years 2020

Medical Licensure

12/20/2019 – 02/28/2022	Texas Medical License: S4442
03/28/2017 – 07/01/2023	New Mexico Medical License: MD2017-0196
06/10/2016 – 04/30/2021	Colorado Medical License: DR.0056987
07/01/2011 – 06/30/2016	Texas Medical Training Permit: BP10041348 ID#559515

Publications

Peer Reviewed

Bartley J, Munroe SM, Ward RA.
Fibrous Dysplasia in the Calcaneus.
Foot & Ankle Specialist. 2017 Feb;10 (1):72-74.
PMID: 27325625

Bartley J.
The Treatment of Middle-Third Clavicle Fractures: A Paradigm Shift.
Surgery and Rehabilitation Journal. Apr 3, 2017; 1 (1):1-2.
<http://oatext.com/The-treatment-of-middle-third-clavicle-fractures-A-paradigm-shift.php>
DOI: 10.15761/SRJ.1000105

Hughes J, **Bartley JH**, Brennan KL, Maldonado YM, Brennan ML, Chaput CD.
Rate of Contralateral Hip Fracture after Dynamic Hip Screw vs Intramedullary Nail for Treatment of Ptertrochanteric Hip Fractures.
Baylor University Medical Center (BUMC) Proceedings. July 2017; 30(3):268-272.
PMID: 28670054

Hughes J, Hughes JL, **Bartley JH**, Hamilton WP, Brennan KL.
“Infection Rates in Arthroscopic versus Open Rotator Cuff Repair.”
Orthopaedic Journal of Sports Medicine (OJSM). July 2017; 5(7).
PMID: 28795072

Bartley J, Murray MF, Kraeutler MJ, Pierpoint LA, Welton KL, McCarty E, Comstock RD.
“Epidemiology of Injuries Sustained as a Result of Intentional Player Contact in High School Football, Ice Hockey, and Lacrosse: 2005-2006.”
Orthopaedic Journal of Sports Medicine (OJSM). 2017 Dec 12;5 (12)
PMID: 29270440

Welton KL, **Bartley JH**, Major NM, McCarty EC. **MRI to Arthroscopy Correlations in SLAP Lesions and Long Head Biceps Pathology.**

Sports Medicine and Arthroscopy Review. Dec 2017; 25(4): 179-190.

PMID: 29095396

Welton L, Kraeutler MJ, Pierpoint LA, **Bartley J**, McCarty E, Comstock RD.

“Injury Recurrence Among High School Athletes in the United States: A Decade of Patterns and Trends, 2005-2006 Through 2015-2016.”

Orthopaedic Journal of Sports Medicine (OJSM). January 2, 2018.

PMID: 29318177

McLeod E, Floyd L, **Bartley J**.

“Single-Event Multilevel Surgery of the Upper Extremity: A Case Report”

Western Journal of Orthopaedics, 2020; 176-178.

Edge L, McLeod E, Pathak O, **Bartley J**.

“Reconstruction of a Chronic Quadriceps Tendon Rupture After Multiple Failed Repair Attempts: A Case Report”

Western Journal of Orthopaedics, 2020

Book Chapters

Vidal AF, Riederer MF, **Bartley JH**, Welton KL, Bortz R, Khodae M. **Chapter 12: Clavicle.** Sports-Related Fractures, Dislocations, and Trauma: Advanced On- and Off-Field Management.

Springer Science and Business Media. 2020.

Bartley JH, Welton KL, McCarty EC. **Acute Patellar Tendon Repair.**

Wolters Kluwer Health: Medical Practice. 2017.

Welton KL, **Bartley JH**, Vidal A. **Acromioclavicular Injuries.** Sports-Related Trauma: On- and Off-Field Management. Springer Science and Business Media. 2017.

Welton KL, Logterman S, **Bartley J**, Vidal A, McCarty EC.

“Knee Cartilage.” Common Procedures – Common Problems, An Issue of Clinics in Sports Medicine, Volume 37-2 1st Edition.

Clinics in Sports Medicine. April 28, 2018.

National Lectures

(* Denotes Presenter)

Bartley J*, Murray M, Pierpoint LA, Welton L, McCarty E, Comstock RD.

“Epidemiology of Injuries Sustained as a Result of Intentional Player Contact in High School Boys Football, Ice Hockey, and Lacrosse.”

Poster Presentation: American Orthopedic Society of Sports Medicine Annual Meeting: July 21, 2017.

Hughes J*, **Bartley J**, Brennan K, Chaput C, Jupiter D, Robinson W, Brennan M.

“Rate of Contralateral Hip Fractures Following DHS vs IMN Proximal Femur Fracture Fixation.”

Podium Presentation: Southern Orthopaedic Association Annual Meeting. July 17, 2015.

Bartley J*, Brennan K, Jupiter D, Lichota D, Reeve R, Welsh J, Hamilton W.

“Infection Rates in Arthroscopic versus Open Rotator Cuff Repair.”

Podium Presentation: Mid-America Orthopaedic Association. April 24, 2015.

Bartley J*, Munroe SM, Ward RA.

“Fibrous Dysplasia in the Calcaneus.”

Poster Presentation: Scott & White Research Days. May 9-10, 2013.

Bartley J*.

“Calibration and Verification of Scanogram Measurements in Pediatric Leg Length Discrepancy.”

Podium Presentation: Houston Shriners Hospital for Children Research Day. December 2014.

University Lectures

(* Denotes Presenter)

Bartley J*.

“Non-Arthroplasty Surgical Treatment Options for Irreparable Rotator Cuff Tears”

University of Colorado Orthopedic Sports Conference. May 3, 2017.

Bartley J*.

“Rotator Cuff Tears: Anatomy, Biomechanics, Tear Patterns, and Surgical Treatment Techniques.”
University of Colorado Orthopedic Sports Conference. January 4, 2017.

Bartley J*.

“Meniscus: Anatomy, Physiology, Tear Patters, and Surgical Treatment Techniques.”
University of Colorado Orthopedic Sports Conference. November 2, 2016.

Bartley J*, Munroe SM.

“Chronic Achilles Tendon Ruptures: Evaluation and Surgical Techniques.”
Scott & White Orthopedic Surgery Grand Rounds. December 17, 2015.

Bartley J*, Kallina C.

“Bennett’s Fractures: Evaluation and Management.”
Scott & White Orthopedic Surgery Grand Rounds. October 15, 2015.

Bartley J*, Reeve R, Hamilton WP.

“Evaluation and Surgical Treatment of Multidirectional Shoulder Instability.”
Scott & White Orthopedic Surgery Grand Rounds. July 9, 2015.

Bartley J*, Ward RA.

“Pathologic Tibial Lesions in the Pediatric Patient Population.”
Scott & White Orthopedic Surgery Grand Rounds. June 24, 2015.

Bartley J*, Ward RA.

“Giant Cell Tumor of Bone.”
Scott & White Orthopedic Surgery Grand Rounds. April 9, 2015.

Bartley J*, Brindley HH, Souder C.

“Missed Pediatric Developmental Dysplasia of the Hip.”
Scott & White Orthopedic Surgery Grand Rounds. Jan 23, 2014.

Bartley J*, Stahl DL, Brennan ML.

“Surgical Treatment of Tibial Malunions.”
Scott & White Orthopedic Surgery Grand Rounds. December 5, 2013.

Leadership

Sept 2019 – Sept 2020	<u>Lovelace Medical Group</u> Medical Executive Committee – Orthopedic representative responsible for hospital credentialing, disciplinary action, system-wide quality control and improvement.
2016-2017	<u>University of Colorado</u> Visiting Assistant Professor – Health Professions Residential Academic Program (HPRAP) consists of 250 freshmen and sophomore college students interested in research or clinical careers in the health professions; responsible for developing and implementing a curriculum of introductory science and ancillary courses that students take in seminar formats on medical topics of interest, workshops, mentoring, tours, guest speakers, case studies, shadowing, and participation in a team-taught course format.
2015-2016	<u>Scott & White Orthopedic Surgery Residency</u> Chief Resident – Responsible for organization, academic and surgical performance of orthopedic surgery residents. Developed Orthopedic In-Training Exam (OITE) review program, remodeled organization of responsibility to improve synergy of team-oriented work effort, developed residency mentorship program, developed electronic performance evaluation system to provide objective evidence for resident-candidate rotator rankings, and remodeled basic science curriculum to remove redundancy and improve efficiency.
2008-2009	<u>Texas A&M Health Science Center, College of Medicine</u> President, Christian Medical Association - Planned meetings, organized speakers, and supervised planning of mission trip
2007-2009	Dean’s Ambassador - Interacted with prospective students, alumni, donors, distinguished guests, and visitors

2004-2007

Air Force Research Laboratory / Directed Energy Laser Effects Branch / Kirtland AFB, NM

Mechanical Engineer and Project Manager (Engineer Team - Approx 4 Contract Engineers) - Hand selected to lead a Special Projects Engineer Team in complex, top-priority, classified testing
Designed, developed, and executed \$16M laser effects testing at on-site and off-site locations for both government (AFRL, Navy, Army) and commercial customers (Raytheon)

2003

United States Air Force Academy (Wing-4000 cadets; Group-1000 cadets; Squadron-100 cadets)

Cadet Wing Commander (Highest Leadership Role Available to a Senior Cadet) - Directly responsible for the safety, performance, and morale of approximately 4000 cadets and the effective implementation of 10 USAFA programs including combat survival training, basic cadet training, jump training, soaring, and global engagement

2002

Squadron Operations Officer - Designed and implemented cadet disciplinary programs, ensured Academic, Military, and Athletic Performance of 100 Cadets in Squadron 6

Basic Training Superintendent (Highest Leadership Role Available to a Junior Cadet) - Responsible for day-to-day operations and the performance of 800 upper-class cadets and 1200 "basic" cadets participating in course, combat, firearms, and leadership training in a harsh field environment

Group Athletic NCO Responsible for developing and implementing physical fitness training programs to maintain fitness standards and monitor fitness performance for nine squadrons

Work Experience

Sept 2020 - Present

Azalea Orthopedic Group – Division of OrthoLoneStar

Tyler, TX

Orthopedic Sports & Shoulder Surgeon

Private practice consists of sub-specialty focused orthopedic surgery with a focus in shoulder reconstruction, arthroscopic and sports-related surgery of the shoulder, elbow, hip, knee, and ankle.

Call coverage of a Level-1 trauma center, including pediatric and adult trauma.

Aug 2017 – Aug 2020

Optum Medical Group & Lovelace Medical Group

Albuquerque, NM

Orthopedic Surgeon

Employed practice consists of general orthopedics with a focus in arthroscopic and sports-related surgery of the shoulder, elbow, hip, knee, and ankle.

In addition, practice includes joint reconstruction of the shoulder and knee.

Call includes trauma coverage of two community hospitals, including pediatric and adult trauma.

Orthopedic Biologics Program

Developed an orthopedic biologics program to consist of clinical applications: platelet-rich plasma (PRP) as well as operating room applications: bone marrow aspirate concentrate (BMAC)

Led to increased capabilities and treatment options for patients, as well as being an income-generator for the clinic.

February 2018

Steadman Hawkins Clinic

Denver, CO

Hip Arthroscopy & Hip Preservation Mini-Fellowship

Educational experience consisted of one-on-one training with multiple hip preservation specialists throughout the Colorado area

Consisted of sole focus on hip arthroscopy techniques and hip preservation surgery

Aug 2016 – July 2017

University of Colorado Hospital

Denver, CO

Sports Medicine & Shoulder Surgery Fellowship

Educational experience consisted of one-on-one training with fellowship-trained faculty offering comprehensive care at a Tertiary Referral Center

Includes training in shoulder arthroscopy, shoulder replacement and complex reconstruction, hip arthroscopy, knee arthroscopy, and soft tissue ankle surgery

In addition, associated team coverage includes University of Colorado Men's Football and Basketball; as well as University of Denver Men's Hockey and Lacrosse

July 2011 – July 2016

Scott & White Memorial Hospital

Temple, TX

Orthopedic Surgery Residency

Educational experience consisted of one-on-one training with fellowship-trained faculty offering comprehensive care at a Level 1 Trauma Center

Included training in sports medicine, spine surgery, hand and upper extremity surgery, joint replacement, foot and ankle surgery, pediatric orthopedics, musculoskeletal oncology, and orthopedic trauma

Higher Value Healthcare Collaborative

Multi-center national initiative focused on efficiency, cost-saving, and best practices regarding total joint replacements Realigned patient dispositions to emphasize self-care and minimize costs associated with home-health physical therapy

Developed program to coordinate with case management; providing efficient disposition planning and decreasing post-operative length-of-stay

Residency Mentorship Program

Developed a mentorship and training program to better equip orthopedic interns with education and training regarding baseline orthopedic knowledge and initial fracture management to increase efficiency of consult management during call and improve patient care

OITE Review Curriculum and Resident-led Lecture Series

Developed a year-long resident-led review lecture series focusing on OITE testable concepts that was integrated into the current residency didactic schedule; reinforced these concepts with monthly review sessions with attending surgeons; overall residency average score on the OITE increased from 60th to 87th percentile

Scott & White Sideline Physician Program

Provided sideline coverage for local football programs at Friday night home games; evaluate all sports injuries and provide initial evaluation, treatment, and coordinate follow-up for high school varsity players

May 2008 – July 2008

John's Hopkins University Applied Physics Lab

Laurel, MD

Biomedical Engineering Branch

Neural Engineering Summer Internship

Responsible for developing a fully integrated upper extremity prosthetic limb using neural integration research and development in support of the DARPA funded Revolutionizing Prosthetics 2009 project

Performed a trade study of state of the art motion tracking technologies and implemented a complex passive optical motion detection system with an integrated upper extremity biomechanical model to track the intricate hand and finger movements of test subjects with sub-millimeter accuracy while simultaneous neural recordings were conducted to correlate neural recordings with specific arm, hand, and finger movements

Work is featured in Popular Mechanics (Oct 8, 2015) and National Geographic (January 2010)

June 2004 – July 2007

United States Air Force

Commissioned officer in the United States Air Force.

Security Clearance: TOP SECRET / SCI / 2005

United States Air Force Research Laboratory – Kirtland AFB

Albuquerque, NM

Department of Energy Laser Effects Branch (DELE)

FAST Sub-Scale Testing Effort Lead Engineer / Project Manager

Hand selected to manage 5 complex, top-priority, classified tests within cost and schedule for a \$14B Systems Program Office (SPO) customer; Special projects entailed testing, analysis, and computer code development concerning interaction of irradiation with aerospace materials under stress characteristic of real-world conditions

Built an optically pumped mid-IR semiconductor laser to aid risk reduction resulting in 20% increase of lab capability

Calibrated and characterized an in-house, mach-rated airflow simulator resulting in the restoration of a Laser Effects Test Facility capability

Thermophysical Properties of Aerospace Materials Testing

Redesigned and restored DELE's \$1M Thermophysical Properties Chamber

Determined the thermophysical properties of aerospace materials of interest under laser irradiation to include mass-loss data, temperature data, and an in-depth mass spectrometry analysis

EURO-NATO JOINT JET PILOT TRAINING (ENJJPT) – Sheppard AFB

Wichita Falls, TX

Highly selective international fighter pilot training program; completed Initial Undergraduate Pilot Training prior to Medical Disenrollment

2020 – Present	Tyler Junior College Men’s Football/Basketball/Baseball/Soccer Head Team Physician	Tyler, TX
2020 - Present	Tyler Junior College Women’s Basketball/Volleyball/Soccer Head Team Physician	Tyler, TX
2020 – Present	Kilgore High School Athletics Head Team Physician	Kilgore, TX
2019	Duke City Gladiators Semi-Professional Football Team Assistant Team Physician	Albuquerque, NM
2018 - 2019	Albuquerque Baseball Association Team Physician	Albuquerque, NM
2018 - 2019	West Mesa High School Football Team Physician	Albuquerque, NM
2016 - 2017	University of Colorado Men’s Football and Basketball Fellow Team Physician	Boulder, CO
2016 - 2017	University of Denver Men’s Hockey and Lacrosse, Women’s Gymnastics Fellow Team Physician	Denver, CO
2016	Nederland High School Football Team Physician	Nederland, CO
2014 - 2015	Rogers High School Football Team Physician	Rogers, TX
Volunteer Work		
2018 - 2020	Clinical Assistant Professor for University of New Mexico (UNM) School of Medicine	Albuquerque, NM
2018 - 2020	Clinical Assistant Professor for Burrell College of Osteopathic Medicine at New Mexico State University	Albuquerque, NM
Nov 2018, Nov 2019	Orthopedic Surgery Medical Mission Trip with Christian Medical Association	Tegucigalpa, Honduras
April 2018, Aug 2018	Guest Surgical Instructor for Bi-Annual UNM Orthopedic Residency Sports Surgery Technical Skills Workshop – Teaching Residents Shoulder and Knee Surgery	Phoenix, AZ
March 10-14, 2008	General Medical Mission Trip with Texas A&M CMDA Chapter	Matamoros, Mexico
Honors		
2020	Recognized as a Fellow of the American Academy of Orthopaedic Surgeons	
2017	Recognized top ‘Residential Academic Assistant Professor’ for efforts, design, and execution of pre-med curriculum	
2015	Awarded Competitive Mid-America Orthopaedic Association Senior Resident Education Grant	
2007	Air Force Commendation Medal Air Force Achievement Medal for Engineering Accomplishments National Defense Service Medal	
2006	Phillips Research Site Company Grade Officer of the Quarter Supervisor-stratified #1 of 16 Division Engineer, Physicist, Scientist Lieutenants within Directed Energy Laser Division	
2005	Directed Energy Laser Division Company Grade Officer of the Quarter Air and Space Basic Course Outstanding Performance Award	
2004	Supervisor-stratified #1 of 25 Senior Cadets in Cadet Squadron 6 Graduated top 15% at the US Air Force Academy	
2000	Graduated Valedictorian from Grand Saline High School, TX Accepted to the United States Naval Academy, US Air Force Academy, and West Point	
1999	President of the National Honor Society President of the Fellowship of Christian Athletes	
1996	Captain of the Grand Saline High School football team Eagle Scout Award - Boy Scouts of America	

Continuing Education

Nov 2020	Stryker Innovative Hip Arthroscopy Course
Sept 2020	Stryker Mako Total Hip, Total Knee, and Partial Knee Replacement Certification
July 2020	American Academy of Orthopaedic Surgeons Annual Meeting on Demand
July 2020	American Orthopaedic Society for Sports Medicine Annual Virtual Meeting
Jan 2020	Foundation for Orthopaedic Research and Education (FORE) Annual Shoulder & Elbow Study Plan – On-Line
Jan 2020	Mayo Clinic Comprehensive Shoulder and Elbow Course: Current Concepts and Controversies Scottsdale, AZ
Dec 2019	Stryker New York Shoulder Master’s Course New York City, NY
July 2019	American Orthopaedic Society for Sports Medicine Annual Meeting. Boston, MA
July 2017	American Orthopaedic Society for Sports Medicine Annual Meeting. Toronto, Canada
May 2017	Arthroscopy Association of North America Annual Meeting. Denver, CO
Oct 2015	UT Southwestern Orthotics & Prosthetics Dallas, TX
March 2014	American Academy of Orthopaedic Surgeons New Orleans, LA

Skills

Academic: experience in dynamics, modeling, robotics, thermodynamics, finite element analysis, vibrations

Activities: church volunteer, CrossFit, snowboarding, mountain biking, fly fishing

Organizational Involvement:

Peer Reviewer for The Western Journal of Orthopaedics (Since '18)

International Society of Hip Arthroscopy (Since '17)

Editorial Review Board Member for Surgery and Rehabilitation Journal (Since '17)

American Orthopaedic Society for Sports Medicine (Since '16) – Active Member

Arthroscopy Association of North America (Since '15)

American Academy of Orthopedic Surgery (Since '11) - PAC Contributor – Active Fellow

Christian Medical Dental Association (Since '07)